

## ***Initiative Definition BY20***

### Initiative Definition BY20

Template Name	BY2020
Is this investment a consolidated business case?	No
Consolidated Business Case Parent Investment(s)	
Investment Name	BFS - Budget Formulation System
Investment Revision Number	33
Point of Contact	Chin, Derek
Revision Comment	
Class	IT

## ***Descriptive Information BY20***

### UPI Information BY20

Agency	Environmental Protection Agency
Bureau	Office Of The Chief Financial Officer
EPA Investment Category/Type	Medium
Change in Investment Status Identifier	No Change in Status
Agency description of change in investment status	
Name of this Investment	BFS - Budget Formulation System
Full UPI/UII Code	020-000010070 00-00-02-16-02-00
Unique Investment Identifier 9 Digit Code	000010070
Shared Services Category	00
Shared Services Identifier	

Mission Support Investment Category	Other
Part of Agency IT Portfolio Summary	IT Investments for Mission Support Systems
Standard IT Infrastructure and Management Category	Not Applicable
OMB Major Mission Area	Multi-Goal IT Investments
OMB Investment Type	02 - Non-Major IT Investment
National Security Systems Identifier	Non-National Security System Investment
Previous (UII) (12 digits required for all legacy investments)	020-000010070 00-00-01-01-02-00

OMB Short Description	Budget Formulation System (BFS) formerly titled New Budget Formulation System (NBFS) will be EPA's future budgeting system . Budget Automation System (formerly titled Budget Formulation System) is EPA's current budgeting system. Development began in 2014.
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EPA IT Project Code	BD
In which year did or will this investment begin? (Specify year - e.g., 2013)?	2014

In which year will this investment reach the end of its estimated useful life? (specify year - e.g., 2021)	2030
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Alignment to IT/IM Strategic Plan Initiatives:

The IT/IM Strategic Plan is an EPA-wide strategy that focuses on the strategic enterprise-wide needs that align with the administrator's priorities. The CIO SAC defined seven IT/IM Initiatives to help advance the strategy and drive change towards achieving the IT/IM Goal Statement. The CIO SAC is working to align Federal Information Technology Acquisition Reform Act (FITARA) and Capital Planning and Investment Control (CPIC) reviews with the Initiatives.

Initiative Priority	IT IM Strategic Initiatives
1 (required)	2. Modernize EPA'S IT/IM infrastructure, applications and services
2 (optional)	
3 (optional)	

Provide the initiatives, goals or milestones that this investment plans to achieve in BY20.

The goals of BFS in BY20 include the following:

- Provide performance data for the Performance Dashboard
- Provide budget execution functionalities (budget load, reprogramming management)
- Continue providing budget formulation functionalities

## Additional IT Portfolio Questions BY20

Data Center Inventory ID Table: The unique identifier (or list of the identifiers) from your agency's data center inventory, which is submitted to OMB on a quarterly basis in conjunction with the Integrated Data Collection (IDC).

Data Center Inventory ID

Data Center ID	Description
Functional/Business Sponsor Name	David Bloom
Functional/Business Sponsor Title	Deputy CFO
Functional/Business Sponsor Phone Number	2025641151
Functional/Business Sponsor Phone Number Extension	
Functional/Business Sponsor Email	bloom.david@epa.gov

## BRM Mappings BY20

Primary BRM Mapping (FEA BRM v3.1)	101-Budget Formulation
Secondary BRM Mapping #1 (FEA BRM v3.1)	104-Strategic Planning
Secondary BRM Mapping #2 (FEA BRM v3.1)	
Secondary BRM Mapping #3 (FEA BRM v3.1)	
Secondary BRM Mapping #4 (FEA BRM v3.1)	

## **Financial BY20**

### Life Cycle Costs BY20

Provide the total estimated life cycle cost for this Investment by completing the following table. All totals represent all IT resources and budgetary sources of funding, consistent with the Agency IT Portfolio Summary. Totals are to be reported in millions of dollars. Variations from planned expenditures will be reflected in the Project Activities Table and the Agile Activities Table in the Major IT Business Case Detail. Federal personnel costs should be included only in the rows designated as "... Govt. FTE costs" and should be excluded from other costs.

For Multi-Agency Investments, this table should include all funding (both managing and partner Agency contributions), and subsequently may not match figures provided in the Agency IT Portfolio Summary.

To the degree possible, the costs associated with the entire life cycle of the Investment should be included in this table. Whether solutions being developed in an agile fashion or other development methodology, for years beyond BY+1, please provide your best estimates for planning purposes, understanding that estimates for out-year spending will be less certain

than estimates for BY+1 or earlier.

For lines in the table that ask for changes in your current submission compared to your most recent previous submission, please use the FY 2019 President's Budget as your previous submission. When making comparisons, please ensure that you compare same-year-to-same-year (e.g., the FY18 level for 2018 versus the FY19 level for 2019). Significant changes from the previous submission should be reflected in an updated Investment-level Alternatives Analysis, subject to OMB review.

## Life Cycle Costs FOR PROJECT STAGES

\* Costs in thousands

	PY - 6 2012 and Prior	PY - 5 2013	PY - 4 2014	PY - 3 2015	PY - 2 2016	PY - 1 2017	PY 2018	CY 2019	BY 2020	BY + 1 2021	BY + 2 2022	BY + 3 2023	BY + 4 2024	BY + 5 2025	BY + 6 2026	BY + 7 2027	BY + 8 2028 and Beyond	Total
Planning Costs																		
Budgetary Resources	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	0	700
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DME (Excluding Planning) Costs																		
Budgetary Resources	0	0	500	998	0	500	500	500	0	0	0	0	0	0	0	0	0	2998
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Planning Govt. FTE Costs																		
Budgetary Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DME (Excluding Planning) Govt. FTE Costs																		
Budgetary Resources	0	0	95	267	278	284	283	283	77	25	25	25	25	25	25	25	0	1742
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total DME Costs (Including Govt. FTE)																		
Budgetary Resources	0	0	595	1265	278	784	783	783	77	125	125	125	125	125	125	125	0	5440
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Costs																		
Budgetary Resources	0	0	0	0	1160	850	850	850	1160	1250	1250	1250	1250	1250	1250	1250	0	13620
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disposition Costs (optional)																		
Budgetary Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Govt. FTE Costs																		
Budgetary Resources	0	0	0	0	0	212	211	211	310	275	275	275	275	275	275	275	0	2869
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total O&M Costs (Including Govt. FTE)																		
Budgetary Resources	0	0	0	0	1160	1062	1061	1061	1470	1525	1525	1525	1525	1525	1525	1525	0	16489
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Cost (Including Govt. FTE costs)																		
Budgetary Resources	0	0	595	1265	1438	1846	1844	1844	1547	1650	1650	1650	1650	1650	1650	1650	0	21929
Proposed Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Government FTE Costs																		
Budgetary Resources	0	0	95	267	278	496	494	494	387	300	300	300	300	300	300	300	0	4611
PY President's Budget																		
Total Budget (\$)							0	0										
Total Change (\$)							1844	1844										
Total Change (%)							0	0										



## Funding Sources BY20

Use the following table to capture the source of all dollars used to fund this investment.

Agency IT Portfolio Summary BY20: BFS - Budget Formulation System (Revision...

Funding Sources

\* Costs in thousands

FS Name: MAX Code	Type	Row Type	201 2 & Prior	201 3	201 4	201 5	201 6	201 7	PY 201 8	CY 201 9	BY 202 0	BY + 1 202 1	BY + 2 202 2	BY + 3 202 3	202 4	202 5	202 6	202 7	2028 & Beyond	Total	BY Budget Authorit y
Environmental Programs and Management (EPM): 020-00-0108-0 Internal: Yes		DME	0	0	476	1012	239	742	741	741	47	95	95	95	95	95	95	95	0	4663	47
		SS	0	0	0	0	1087	947	946	946	1408	1163	1163	1163	1163	1163	1163	1163	0	13475	1408
		Total	0	0	476	1012	1326	1689	1687	1687	1455	1258	1258	1258	1258	1258	1258	1258	0	18138	1455
Oil Spill Response: 020-00-8221-0 Internal: Yes		DME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		SS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Superfund (SF): 020-00-0250-0 Internal: Yes		DME	0	0	119	253	39	42	42	42	30	30	30	30	30	30	30	30	0	777	30
		SS	0	0	0	0	73	115	115	115	62	362	362	362	362	362	362	362	0	3014	62
		Total	0	0	119	253	112	157	157	157	92	392	392	392	392	392	392	392	0	3791	92
Total Yearly Budgets:  Internal: No		DME	0	0	595	1265	278	784	783	783	77	125	125	125	125	125	125	125	0	5440	77
		SS	0	0	0	0	1160	1062	1061	1061	1470	1525	1525	1525	1525	1525	1525	1525	0	16489	1470
		Total	0	0	595	1265	1438	1846	1844	1844	1547	1650	1650	1650	1650	1650	1650	1650	0	21929	1547



## IT Towers and Cost Pools BY20

IT Tower - % Cost Allocation Table:

IT Tower - % Cost Allocation:

Use the following table to input the estimated percentage (%) of the BY2020 investment cost, that is applicable to each IT Tower. These percentages will determine the dollar amount provided in the IT Tower table in the budget submission. These percentages are estimates but must total 100%.

IT Tower	FY 2020
Data Center	0
Compute	0
Storage	0
Network	0
Output	0
End User	0
Application	80
Delivery	0
Security & Compliance	20
IT Management	0
Platform	0

Use the following tables to capture the investment's IT Tower and Cost Pool data. Each table represents a different view of the same total dollar amount for the investment.

IT Tower Table

IT Tower/Sub Tower	Role	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Data Center	Parent	0	0	0	0	
Compute	Parent	0	0	0	0	
Storage	Parent	0	0	0	0	
Network	Parent	0	0	0	0	
Output	Parent	0	0	0	0	
End User	Parent	0	0	0	0	
Application	Parent	1722	1720	1720	1407	
Delivery	Parent		0	0	0	
Security & Compliance	Parent	124	124	124	140	
IT Management	Parent	0	0	0	0	
Platform	Parent		0	0	0	
Total		1846	1844	1844	1547	



Cost Pool Table

Cost Pool/Sub Pool	Role	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Internal Labor	Parent	496	494	494	387	
External Labor	Parent					
Outside Services	Parent					
Hardware	Parent					
Software	Parent					
Facilities & Power	Parent					
Telecom	Parent					
Other	Parent					
Internal Services	Parent					
Total		496	494	494	387	

**Provisioned IT Services Spending Costs BY20**

## Provisioned IT Services Spending Costs BY20

Cloud Computing Alternatives Evaluation

This Investment or a portion of this Investment is leveraging cloud computing.

## SaaS Provisioned IT Services Spending Summary

Cloud Type	DME (Planning, Development, Spending/Capital Spending)						Operational & Maintenance Spending [non-DME]					
	PY		CY		BY		PY		CY		BY	
	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions
Public Cloud	0	0	0	0	0	0	0	0	0	0	0	0
Private Cloud	0	0	0	0	0	0	0	0	0	0	0	0
Community Cloud	0	0	0	0	0	0	0	0	0	0	0	0
Hybrid Cloud	0	0	0	0	0	0	0	0	0	0	0	0

## IaaS Provisioned IT Services Spending Summary

Cloud Type	DME (Planning, Development, Spending/Capital Spending)						Operational & Maintenance Spending [non-DME]					
	PY		CY		BY		PY		CY		BY	
	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions
Public Cloud	0	0	0	0	0	0	0	0	0	0	0	0
Private Cloud	0	0	0	0	0	0	0	0	0	0	0	0
Community Cloud	0	0	0	0	0	0	0	0	0	0	0	0
Hybrid Cloud	0	0	0	0	0	0	0	0	0	0	0	0

## PaaS Provisioned IT Services Spending Summary

Cloud Type	DME (Planning, Development, Spending/Capital Spending)						Operational & Maintenance Spending [non-DME]					
	PY		CY		BY		PY		CY		BY	
	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions
Public Cloud	0	0	0	0	0	0	0	0	0	0	0	0
Private Cloud	0	0	0	0	0	0	0	0	0	0	0	0
Community Cloud	0	0	0	0	0	0	46.5	0	46.5	0	46.5	0

nity Cloud												
Hybrid Cloud	0	0	0	0	0	0	0	0	0	0	0	0

#### Provisioned IT Services (Non-Cloud) Spending Summary

Cloud Type	DME (Planning, Development, Spending/Capital Spending)						Operational & Maintenance Spending [non-DME]					
	PY		CY		BY		PY		CY		BY	
	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions	Agency Funding	Contributions
Other Provisioned Services (non- cloud)	0	0	0	0	0	0	0	0	0	0	0	0

#### **TBM Alignment Matrix BY20**

#### TBM Alignment Matrix BY20

Use the below set of matrices to align TBM Cost Pool and IT Tower data for individual fiscal years.

TBM Matrix Table

Year	Cost Pool	IT Security & Compliance	Data Center	Compute	Storage	Network	Output	End User	IT Management	Delivery	Application	Platform	Undefined	Total
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